1. (Previously Presented) A sound system for a vehicle having at least one door, the sound system comprising:

a loudspeaker having a resonant volume formed by a first cavity situated inside of the at least one door and a second cavity situated inside a structural component of a frame of the at least one door and outside of any other door within the vehicle; and

means for pneumatically coupling the first and second cavities to form the resonant volume.

2. (Previously Presented) The sound system of claim 1, where the means for coupling comprises a first opening in the first cavity and a second opening in the second cavity, the first and second openings being arranged in close proximity to each other when the door is closed.

3. (Previously Presented) The sound system of claim 2, where at least one of the two openings is provided with a sealing lip, which is compressed when the door is closed and seals off the coupling of the two cavities from the outside.

4. (Previously Presented) The sound system of claim 2, where at least one of the two openings is provided over the cross-sectional area with an acoustically neutral cover that is permeable to air.

5. (Previously Presented) The sound system of claim 1, where the two cavities are coupled to one another by a telescopic tube connection.

6. (Previously Presented) The sound system of claim 5, where the telescopic tube connection has two tubes that can be displaced one inside the other and engage in openings of the cavities.

7. (Previously Presented) The sound system of claim 6, where at least one of the tubes is connected in an articulated manner to one of the two cavities.

8. (Previously Presented) The sound system of claim 1, where a partially flexible tube is provided for the articulated connection.

9. (Previously Presented) The sound system of claim 1, where the two cavities are coupled to one another by a bellows, which connects two openings in the cavities.

10. (Previously Presented) The sound system of claim 1, where the two cavities are coupled to one another by a flexible hose that connects two openings in the cavities.

11. (Previously Presented) The sound system of claim 10, where the loudspeaker is surrounded by a box defining the first or second cavity.

12. (Previously Presented) The sound system of claim 1, where at least one of the cavities is open to the outside of the resonant volume via diffusion openings.

13. (Previously Presented) The sound system of claim 1, where the second cavity includes a volume defined at least by hollow parts of the support frame of the vehicle.

14. (Previously Presented) The sound system of claim 13, where the support frame includes an A-pillar of the vehicle.

15. (Previously Presented) The sound system of claim 13, where the support frame includes a B-pillar of the vehicle.

16. (Previously Presented) The sound system of claim 13, where the support frame includes a sill of the vehicle.

17. (Previously Presented) The sound system of claim 1, where the second cavity includes a volume surrounded by bodywork parts of the vehicle.

18. (Previously Presented) The sound system of claim 1, where the loudspeaker is installed in the bodywork parts.

19. (Previously Presented) The sound system of claim 1, where the loudspeaker is arranged in the door.

20. (Previously Presented) The sound system of claim 1, where the first cavity is pneumatically coupled to a third cavity situated outside the door by further coupling devices.

21. (Previously Presented) A sound system for a vehicle having at least one door, the sound system comprising:

a loudspeaker having a resonant volume formed by a first cavity situated inside of the at least one door and by a second cavity situated outside of the at least one door, where the second cavity comprises a volume defined within hollow parts of a support frame of the vehicle; and

means for pneumatically coupling the first and second cavities to form the resonant volume.

22. (Previously Presented) The sound system of claim 21, where the means for pneumatically coupling comprises a bellows.

23. (Previously Presented) The sound system of claim 21, where the means for pneumatically coupling comprises a telescoping tube connection.

24. (Previously Presented) The sound system of claim 21, where the means for pneumatically coupling comprises tubing.

25. (Previously Presented) The sound system of claim 21, where the second volume is located within an A-pillar of the vehicle.

26. (Previously Presented) The sound system of claim 21, where the second volume is located within an A-pillar and a door sill of the vehicle.

27. (Previously Presented) The sound system of claim 21, where the second volume is located within an A-pillar, a door sill and a roof support of the vehicle.

28. (Previously Presented) A sound system for a vehicle having at least one door, the sound system comprising:

a loudspeaker having a resonant volume formed by a first cavity situated inside of the at least one door and by a second cavity situated outside of the at least one door, where the second cavity comprises a volume inside a structural component of the frame of the at least one door; and

means for pneumatically coupling the first and second cavities to form the resonant volume.

29. (Previously Presented) The sound system of claim 28, where the means for pneumatically coupling comprises a bellows.

30. (Previously Presented) The sound system of claim 28, where the means for pneumatically coupling comprises a telescoping tube connection.

31. (Previously Presented) The sound system of claim 28, where the means for pneumatically coupling comprises tubing.

32. (Previously Presented) The sound system of claim 28, where the second volume is located within an A-pillar of the vehicle.

33. (Previously Presented) The sound system of claim 28, where the second volume is located within an A-pillar and a door sill of the vehicle.

34. (Previously Presented) The sound system of claim 28, where the second volume is located within an A-pillar, a door sill and a roof support of the vehicle.